eldes

OUTDOOR WIRELESS SIREN

EWS2

User Manual v2.1

Compatible with:

- ESIM264 v7.11.08 and up + EWT1 v16.14 and up.
- ESIM364 all versions.
- EPIR v05.05.04 and up + EWT2 v16.14 and up.
- EPIR2 all versions.

Main features:

- Audio alarm indication by built-in speaker;
- Visual alarm indication by built-in LED indicators;
- Range of operating temperature: -30...+55ºC.

EWS2 is a wireless outdoor device with a built-in siren speaker, LED indicators and operates with ELDES wireless alarm systems. EWS2 has to be bind to the alarm system by sending a corresponding SMS message or using software ELDES Configuration Tool. Upon successful EWS2 binding process, the system adds one wireless zone and one wireless PGM output. In case of alarm, the siren provides a sound alarm for one minute. The configuration of this parameter is disabled for EWS2 in order to save the battery power.

ESIM264, EPIR and EPIR2 alarm systems support up to 16 EWS2 devices, while ESIM364 - up to 32 EWS2 devices.. The maximum wireless connection range is 150 meters (in open areas).

1. Package Content

1. EWS2. .....qty. 1
2. 1,5V Alkaline AA Type Battery.....qty. 4
3. User manual.....qty. 1

2. Technical Specifications

2.1 Electrical & Mechanical Characteristics

Battery Type	1,5V Alkaline AA type
Number of Batteries	4
Battery Operation Time	~18 months*
Wireless Transmitter-Receiver Frequency	868 Mhz
Range of Operating Temperatures	-30...+55ºC
Dimensions	201 x 140 x 36 mm
Wireless Communication Range	Up to 30 meters in premises; up to 150 meters in open areas
Compatible with Alarm Systems	ELDES Wireless

* This operation time might vary in difference conditions.

2.2 Main Unit, LED & Connector Functionality

RESET	Button for restoring default parameters
+ / -	Battery slots
LED indicators	Visual alarm indication
Tamper	Tamper button contacts
Bell+	Positive siren speaker contact
Bell-	Negative siren speaker contact

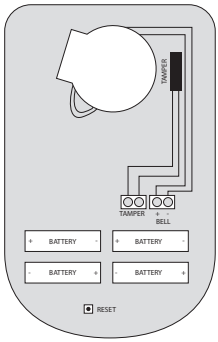

Fig. No. 1

3. Installation

1. Open EWS2 enclosure.

   Remove the small blue lid located on the front side of the enclosure by pulling the lid up. (see Fig. No. 2).

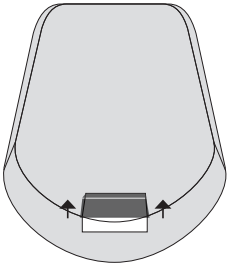

Fig. No. 2

Unscrew the front side of the enclosure (see Fig. No. 3).

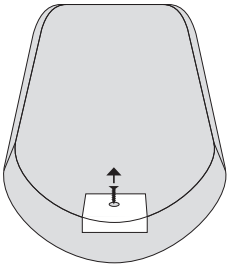

Fig. No. 3

Detach the front side of the enclosure by pulling the front side up (see Fig. No. 4).

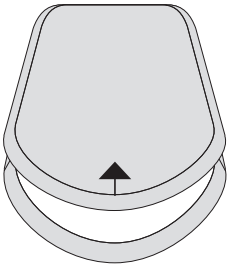

Fig. No. 4

2. Once the enclosure is opened, remove the plastic tab inserted between one of the battery terminal and battery slot contact (see Fig. No. 5).

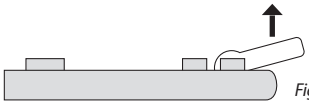

Fig. No. 5

3. Fix the siren on the wall using the screws (see Fig. No. 6).

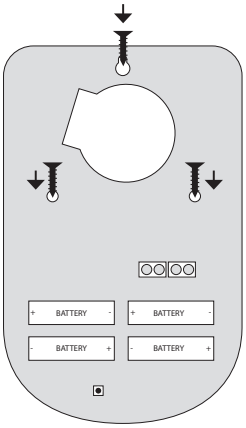

Fig. No. 6

4. Close EWS2 enclosure (see Fig. No. 4, Fig. No. 3, Fig. No. 2)

5. Bind the device to the alarm system using *ELDES Configuration Tool* software. Open **Wireless Device Management** section and enter a 8-digit wireless device ID located on the EWS2 enclosure and press **Add** button (see Fig. No. 7). The device can also be bind by sending a corresponding command via SMS message. For more details, please, refer to the software's HELP section and ELDES alarm system installation manual.

Fig. No. 7

6. Upon the successful binding process, EWS2 device icon becomes visible in **Wireless Device** section as well as **Battery Level** and **Signal Level**. If attempt to bind is unsuccessful, try to move EWS2 closer to the alarm system device and bind anew.

7. EWS2 siren is ready for use.

NOTE: If you are unable to bind the wireless device, please, restore the parameters of the wireless device to default and try again. See chapter **6. Restoring Default Parameters** for more details.

4. EWS2 Zone, PGM Output & Tamper

Upon successful EWS2 outdoor siren binding process,the system adds 1 wireless *Instant* zone and 1 wireless *Siren* PGM output. The wireless zone is intended for EWS2 tamper control and the wireless PGM output is for siren control.

In case of tamper violation, the alarm is caused regardless of system being armed or disarmed. There are 2 ways to detect tamper violation on EWS2:

- **By tamper button.** EWS2 has a built-in tamper button intended for monitoring the enclosure status. Once the enclosure of EWS2 is illegally opened, the tamper button becomes unpressed. This action is followed by alarm which is sent by SMS message and phone call to the user (-s) by default. The SMS message contains the violated tamper number.
- **By wireless connection loss.** The wireless connection loss between EWS2 and ELDES alarm system leads to alarm. The system identifies this event as a tamper violation and sends alarm by SMS message and phone call to the user (-s) by default. The SMS message contains the violated tamper number and a star * character indicating wireless connection loss as a tamper alarm cause.

ATTENTION: The tamper will not operate if the wireless zone is disabled.

5. Battery Replacement

1. Open EWS2 enclosure.
2. Remove all 4 old batteries from the battery slots.
3. Postition the 4 new 1,5V alkaline AA type batteries according to the appropriate battery slot positive/negative terminals indicated on the PCB (printed-circuit-board) of EWS2
4. Insert the batteries into the battery slots.
5. Batteries replaced.

See chapter **3. Installation** for more details.

ATTENTION: Only 1,5V Alkaline AA type batteries can be used. Install only new, high quality and unexpired batteries. Do not mix the old batteries with the new ones.

ATTENTION: At least 1 battery must be removed if the device is not in use.

ATTENTION: In order to avoid fire or explosion hazards, the system must be used only with approved battery. Special care must be taken when connecting positive and negative battery terminals. Dispose old batteries only into special collection sites. Do not charge, disassemble, heat or incinerate old batteries.

NOTE: The system sends an SMS message to a preset User 1 as soon as the battery level runs below 5%.

NOTE: The battery status can be monitored in real-time using ELDES Configuration Tool software.

6. Restoring Default Parameters

1. Remove one battery from EWS2.
2. Press and hold the RESET button.
3. Insert the battery back to EWS2.
4. Hold the RESET button until LED indicator starts blinking.
5. Release the RESET button.
6. Parameters reset to default.

7. Additional Information

Limited Liability

The buyer must agree that the system will reduce the risk of fire, theft, burglary or other dangers but does not guarantee against such events."ELDES UAB" will not take any responsibility regarding personal or property or revenue loss while using the system. "ELDES UAB" liability according to local laws does not exceed value of the purchased system. "ELDES UAB" is not affiliated with any of the Internet providers therefore is not responsible for the quality of Internet service.

Manufacturer Warranty

This device carries a 24-month warranty by the manufacturer "ELDES UAB". Warranty period starts from the day the system has been purchased by the end user. The warranty is valid only if the system has been used as intended, following all guidelines listed in the manual and within specified operating conditions. Receipt must be kept as a proof of purchase date. The warranty is voided if the system has been exposed to mechanical impact, chemicals, high humidity, fluids, corrosive and hazardous environment or other force majeure factors.

Safety instructions

Please read and follow these safety guidelines in order to maintain safety of operators and people around:

- DO NOT use the system where it can be interfere with other devices and cause any potential danger.
- DO NOT use the system with medical devices.
- DO NOT use the system in hazardous environment.
- DO NOT expose the system to high humidity, chemical environment or mechanical impacts.
- DO NOT attempt to personally repair the system.

The WEEE (Waste Electrical and Electronic Equipment) marking on this product (see left) or its documentation indicates that the product must not be disposed of together with household waste. To prevent possible harm to human health and/or the environment, the product must be disposed on in an approved and environmentally safe recycling process. For further information on how to dispose of this product correctly, contact the system supplier, or the local authority responsible for waste disposal in your area.

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